CLAIMS

What is claimed is:

1. A remote DC plant monitoring system, comprising:

graphical user interface logic operable to provide a user with a plurality of periodically updated data points associated with a DC plant; and

connection logic coupled to the graphical user interface logic, operable to connect to a monitoring server and receive the plurality of periodically updated data points associated with the DC plant, the monitoring server being coupled to a plurality of DC plants via a network.

2. The system of claim 1, further comprising:

a data gathering unit operable to gather a voltage and a current reading from any of at least one rectifier associated with the DC plant.

3. The system of claim 2, wherein the server is operable to query the data gathering unit, and provide the connection logic with the voltage and the current reading.

4. The system of claim 1, wherein the graphical user interface is further operable to provide a user with a plurality of periodically updated data points associated with an AC plant.

5. The system of claim 4, further comprising:

testing logic operable to receive feedback from the user and simulate a commercial power failure at a site associated with the AC and DC plants.

6. The system of claim 5, further comprising:

a house service panel coupled to a commercial power source, the AC plant, and the DC plant, the house service panel being operable to sense a commercial power failure, turn on the AC plant, and power at least one rectifier associated with the DC plant using the AC plant.

7. The system of claim 1, wherein the graphical user interface is further operable to provide a user with a plurality of periodically updated data points associated with a fuel monitor coupled to an AC plant.

8. The system of claim 1, further comprising:

storage logic operable to store a plurality of acceptable data points associated with the plurality of DC plants, and report the acceptable data points to the user via the graphical user interface; and

alarm logic operable to notify a user via the graphical user interface logic responsive to the plurality of periodically updated data points associated with any of the plurality of DC plants being outside the plurality of acceptable data points.

9. The system of claim 8, wherein the alarm logic is operable to signal a minor alarm responsive to a portion of the periodically updated information being outside initial acceptable data points, and operable to signal a major alarm responsive

to a portion of the periodically updated information being outside final acceptable data points.

10. A remote DC plant monitoring system, comprising:

monitoring logic operable monitor at least one DC plant and receive a plurality of data signals associated with the DC plant;

storage logic operable to store at least one boundary parameter associated with said at least one DC plant; and

communication logic operable to receive the plurality of data signals and said at least one boundary parameter and provide the plurality of data signals and said at least one boundary parameter to a remote computer.

11. The system of claim 10, wherein the monitoring logic is further operable to monitor at least one fuel monitor associated with an AC plant, and receive a plurality of data signals associated with said at least one fuel monitor.

12. The system of claim 11, wherein the storage logic is further operable to store at least one boundary parameter associated with said at least one fuel monitor.

13. The system of claim 12, further comprising:

alarm logic operable to notify at least one remote computer associated with the system responsive to any of the plurality of data signals associated with said at least one fuel monitor being outside said at least one boundary parameter associated with said at least one fuel monitor.

14. The system of claim 10, further comprising:

alarm logic operable to notify at least one remote computer associated with the system responsive to any of the plurality of data signals associated with said at least one DC plant being outside said at least one boundary parameter associated with said at least one DC plant.

15. The system of claim 10, wherein the communication logic is operable to periodically request a plurality of updated data signals from the DC plant.

16. The system of claim 10, wherein the monitoring logic is further operable to monitor at least one AC plant, and receive a plurality of data signals associated with said at least one AC plant.

17. The system of claim 16, wherein the storage logic is further operable to store at least one boundary parameter associated with said at least one AC plant.

18. The system of claim 17, further comprising:

alarm logic operable to notify at least one remote computer associated with the system responsive to any of the plurality of data signals associated with said at least one AC plant being outside said at least one boundary parameter associated with said at least one AC plant.

19. The system of claim 10, further comprising:

simulation logic operable to simulate a power failure at a site associated with a DC plant.

20. A method for remotely monitoring a DC plant, comprising the steps of:

requesting a plurality of data signals associated with the DC plant from a data gathering unit associated with the DC plant;

receiving the plurality of data signals associated with the DC plant from the data gathering unit; and

providing the plurality of data signals associated with the DC plant to a remote computer for display to a user.

21. The method of claim 20, further comprising:

comparing each of the plurality of data signals associated with the DC plant to a corresponding plurality of boundary parameters associated with the DC plant; and

notifying the remote computer responsive to any of the plurality of data signals associated with the DC plant being outside the corresponding boundary parameter.

22. The method of claim 20, further comprising:

requesting a plurality of data signals associated with a fuel monitor coupled to an AC plant;

receiving the plurality of data signals associated with the fuel monitor; and

providing the plurality of data signals associated with the fuel monitor to a remote computer for display to a user.

23. The method of claim 22, further comprising:

comparing each of the plurality of data signals associated with the fuel monitor to a corresponding plurality of boundary parameters associated with the fuel monitor; and

notifying the remote computer responsive to any of the plurality of data signals associated with the fuel monitor being outside the corresponding boundary parameter.

24. The method of claim 20, further comprising:

requesting a plurality of data signals associated with an AC plant;

receiving the plurality of data signals associated with the AC plant; and

providing the plurality of data signals associated with the AC plant to a remote computer for display to a user.

25. The method of claim 24, further comprising:

comparing each of the plurality of data signals associated with the AC plant to a corresponding plurality of boundary parameters associated with the AC plant; and

notifying the remote computer responsive to any of the plurality of data signals associated with the AC plant being outside the corresponding boundary parameter.

26. The method of claim 20, further comprising:

displaying the plurality of data signals associated with the DC plant on the remote computer.

27. The method of claim 20, further comprising:

updating the plurality of data signals associated with the DC plant.

28. The method of claim 20, further comprising:

simulating a power failure at a site associated with the DC plant, and

monitoring the DC plant for operating conditions during the power failure.

29. A computer readable medium having a program for remotely monitoring a DC plant, the program comprising the steps of:

requesting a plurality of data signals associated with the DC plant from a data gathering unit associated with the DC plant;

receiving the plurality of data signals associated with the DC plant from the data gathering unit; and

providing the plurality of data signals associated with the DC plant to a remote computer for display to a user.

30. The program of claim 29, further comprising:

comparing each of the plurality of data signals associated with the DC plant to a corresponding plurality of boundary parameters associated with the DC plant; and

notifying the remote computer responsive to any of the plurality of data signals associated with the DC plant being outside the corresponding boundary parameter.

31. The program of claim 29, further comprising:

requesting a plurality of data signals associated with a fuel monitor coupled to an AC plant;

receiving the plurality of data signals associated with the fuel monitor; and

providing the plurality of data signals associated with the fuel monitor to a remote computer for display to a user.

32. The program of claim 31, further comprising:

comparing each of the plurality of data signals associated with the fuel monitor to a corresponding plurality of boundary parameters associated with the fuel monitor; and

notifying the remote computer responsive to any of the plurality of data signals associated with the fuel monitor being outside the corresponding boundary parameter.

33. The program of claim 29, further comprising:

requesting a plurality of data signals associated with an AC plant;

receiving the plurality of data signals associated with the AC plant; and

providing the plurality of data signals associated with the AC plant to a remote computer for display to a user.

34. The program of claim 33, further comprising:

comparing each of the plurality of data signals associated with the AC plant to a corresponding plurality of boundary parameters associated with the AC plant; and

notifying the remote computer responsive to any of the plurality of data signals associated with the AC plant being outside the corresponding boundary parameter.

35. The program of claim 29, further comprising:

displaying the plurality of data signals associated with the DC plant on the remote computer.